

THE FY 2001 FOSSIL ENERGY BUDGET
STRENGTH THROUGH SCIENCE

FOSSIL FUELS
FUTURE FUELS

1970-80s

Atmospheric fluidized bed combustors

- Every boiler company now markets one

Polycrystalline diamond drill bits

- The standard for high-speed oil/gas drilling operations

Mudpulse telemetry

- A major breakthrough in "measurement while drilling"

CO2 flooding

- Kept oil flowing from West Texas/New Mexico

Super 9 chrome alloy

- The metal of choice for more efficient power plants

1990s

Low-NOx burners

- Now on 3/4ths of coal generation
- 1/10th cost of 1980s controls

Gasification power generation

- 95%+ pollutant removal
- 50% more efficient

1st generation fuel cells

- Now almost 150 worldwide

Revolutionary turbine

- World's leader in efficiency, environmental performance

4D seismic imaging

- \$500 million business in Gulf

Horizontal gas drilling

- Record gas well in Rockies

21st Century

Pollution-free power plants

Greenhouse gas capture and permanent storage

"Rigless" drilling guided by "smart" sensors

Sulfur-less gasoline

IMAGINE THE POSSIBILITIES...

